

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Att. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant

Chadwick, B. *et al.*

Filing Date

July 13, 2001

Group

1644

DEC 11 2001

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
AD	A1	4,683,195	07/28/87	Mullis <i>et al.</i>	435	6	—
	A2	4,946,778	08/07/90	Ladner <i>et al.</i>	435	69.6	—
	A3	4,965,188	10/23/90	Mullis <i>et al.</i>	435	6	—
	A4	5,202,231	04/13/93	Drmanac <i>et al.</i>	435	6	—
	A5	5,525,464	06/11/96	Drmanac <i>et al.</i>	435	6	—
	A6	4,235,871	11/25/80	Papahadjopoulos <i>et al.</i>	424	19	—
	A7	4,501,728	02/26/85	Geho <i>et al.</i>	424	38	—
	A8	4,737,323	04/12/88	Martin <i>et al.</i>	264	4.3	—
	A9	4,837,028	06/06/89	Allen	424	430	—
	A10	4,959,314	09/25/90	Mark <i>et al.</i>	435	69.1	—
	A11	09/122,449	—	Ford	—	—	07/24/98
	A12	09/118,205	—	Ford	—	—	07/16/98
	A13	09/240,639	—	Chadwick <i>et al.</i>	—	—	1/29/99

FOREIGN PATENT DOCUMENTS

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
AD	B1	WO 90/03382	04/05/90	WO	—	—	—	—
↓	B2	WO 90/14148	11/29/90	WO	—	—	—	—

EXAMINER

Ann De Leone

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant

Chadwick, B. et al.

Filing Date

July 13, 2001

Group

1644

RECEIVED

DEC 11 2001

(Use several sheets if necessary)

TECH CENTER 1600/290

FOREIGN PATENT DOCUMENTS

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
AD	B3	WO 91/09955	07/11/91	WO	—	—	—	—
	B4	WO 92/20808	11/26/92	WO	—	—	—	—
	B5	WO 94/12650	06/09/94	WO	—	—	—	—
	B6	WO 95/09248	04/06/95	WO	—	—	—	—
	B7	WO 96/30532	10/03/96	WO	—	—	—	—
	B8	WO 96/32471	10/17/96	WO	—	—	—	—
	B9	2148851	10/11/96	CA	—	—	—	—
	B10	WO 00/04041	1/27/00	WO	—	—	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AD	C1	Hicks-Berger, C.A. et al., "Expression and Characterization of Soluble and Membrane-bound Human Nucleoside Triphosphate Diphosphohydrolase 6 (CD39L2)," <i>J. Biol. Chem.</i> , 275(44):34041-34045 (2000).
	C2	Chadwick, B.P. et al., "Cloning and Mapping of a Human and Mouse Gene with Homology to Ecto-ATPase Genes," <i>Mammalian Genome</i> , 8:668-672(1997).
	C3	Chadwick, B.P. et al. "cDNA Cloning and Chromosomal Mapping of a Mouse Gene with Homology to NTPases," <i>Mammalian Genome</i> , 9:162-164 (1998).

EXAMINER

A. D. Elum

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant

Chadwick, B. *et al.*

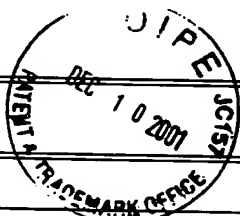
Filing Date

July 13, 2001

Group

1644

(Use several sheets if necessary)



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AD	C4	Chadwick B.P. <i>et al.</i> , "The CD39-like Gene Family: Identification of Three New Human Members (CD36L2, CD39L3, and CD39L4), Their Murine Homologues, and a Member of the Gene Family from <i>Drosophila melanogaster</i> ," <i>Genomics</i> , 50:357-367(1998).
	C5	Smith, T.M. <i>et al.</i> , "Cloning, Sequencing, and Expression of a Human Brain Ecto-Apyrase Related to Both the Ecto-ATPases and CD39 Ecto-Apyrases," <i>Biochim. Biophys Acta</i> , 1386:65-78 (1998).
	C7	Adelman, J. P. <i>et al.</i> , "In Vitro Deletional Mutagenesis for Bacterial Production of the 20,000-Dalton Form of Human Pituitary Growth Hormone," <i>DNA</i> , 2(3):183-193 (1983).
	C6	Mulero, J.J. <i>et al.</i> , "CD39-L4 Is a Secreted Human Apyrase, Specific for Hydrolysis of Nucleoside Disphosphates," <i>J. Biol. Chem.</i> , 274(29): 20064-20067(1999).
	C8	Altschul, S.F. <i>et al.</i> , "Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> , 215:403-410 (1990).
	C9	Altschul, S.F., "A Protein Alignment Scoring System Sensitive at All Evolutionary Distances," <i>J. Mol. Evol.</i> , 36:290-300 (1993).
	C10	Anderson, W.F., "Human Gene Therapy," <i>Nature (Supp.)</i> , 392:25-30 (1998).
	C11	Asseline, U. <i>et al.</i> , "Nucleic Acid-Binding Molecules with High Affinity and Base Sequence Specificity: Intercalating Agents Covalently Linked to Oligodeoxynucleotides," <i>Proc. Natl. Acad. Sci., USA</i> , 81: 3297-3301 (1984).
	C12	Bayer, E.A. <i>et al.</i> , "The Avidin-Biotin Complex in Affinity Cytochemistry," <i>Meth. Enzym.</i> , 62:308-315 (1979).
	C13	Beal, P.A. <i>et al.</i> , "Second Structural Motif for Recognition of DNA by Oligonucleotide-Directed Triple-Helix Formation," <i>Science</i> , 251:1360-1363 (1991).
	C14	Bonaldo, M. <i>et al.</i> , "Normalization and Subtraction: Two Approaches to Facilitate Gene Discovery," <i>Genome Res.</i> , 6:791-806 (1996).
✓	C15	Boorstein <i>et al.</i> , "Primer Extension Analysis of RNA," <i>Methods Enzymol.</i> , 180:347-369 (1989).

EXAMINER

Am De Lune

DATE CONSIDERED

1-26-02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

DEC 11 2001

TECH CENTER 1600/2900

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
28110/36120BSerial No.
09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant
Chadwick, B. *et al.*Filing Date
July 13, 2001Group
1644

Use several sheets if necessary)

TECH CENTER 1600/2800

DEC 11 2001

RECEIVED

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

✓	C16	Breslauer, K.J. <i>et al.</i> , "Predicting DNA Duplex Stability from the Base Sequence," <i>Proc. Natl. Acad. Sci., USA</i> , 83: 3746-3750 (1986).
✓	C17	Broude, N.E. <i>et al.</i> , "Enhanced DNA Sequencing by Hybridization," <i>Proc. Natl. Acad. Sci., USA</i> , 91: 3072-3076 (1994).
✓	C18	Brumbaugh, J.A. <i>et al.</i> , "Continuous, On-line DNA Sequencing Using Oligonucleotide Primers with Multiple Fluorophores," <i>Proc. Natl. Acad. Sci., USA</i> , 85:5610-5614 (1988).
✓	C19	Burnstock, G., "The Past, Present and Future of Purine Nucleotides as Signalling Molecules," <i>Neuropharmacology</i> , 36:1127-1139 (1997).
✓	C20	Cate, R.L. <i>et al.</i> , "Genomic Southern Analysis with Alkaline-Phosphatase-Conjugated Oligonucleotide Probes and the Chemiluminescent Substrate AMPPD," <i>Genet. Anal. Tech. Appl.</i> , 8(3):102-106 (1991).
✓	C21	Cole, S.P.C. <i>et al.</i> , "The EBV-Hybridoma Technique and It's Application to Human Lung Cancer," <i>Monoclonal Antibodies and Cancer Therapy</i> , Alan R. Liss, Inc., pp. 77-96 (1985).
✓	C22	Communi, D. <i>et al.</i> , "Cloning, Functional Expression and Tissue Distribution of the Human P2Y ₆ Receptor," <i>Biochem. Biophys. Res. Com.</i> , 222:303-308 (1996).
✓	C23	Cooney, M. <i>et al.</i> , "Site-Specific Oligonucleotide Binding Represses Transcription of the Human c-myc Gene in Vitro," <i>Science</i> , 15241:456-459 (1988).
✓	C24	Craig, M.E. <i>et al.</i> , "Relaxation Kinetics of Dimer Formation by Self Complementary Oligonucleotides," <i>J. Mol. Biol.</i> , 62:383-401 (1971).
✓	C25	Dahlén <i>et al.</i> , "Sensitive Detection of Genes by Sandwich Hybridization and Time-Resolved Fluorometry," <i>Mol. Cell. Probes (England)</i> , 1:159-168 (1987).
✓	C26	Daly, J. <i>et al.</i> , "Direct Method for Determining Inorganic Phosphate in Serum with the "CentrifiChem", <i>Clin. Chem.</i> , 18:263-265 (1972).
✓	C27	Dolinnaya, N.G. <i>et al.</i> , "Site-directed Modification of DNA Duplexes by Chemical Ligation," <i>Nucleic Acids Research, (England)</i> , 16(9):3721-3738 (1988).
✓	C28	Dolinnaya, N.G. <i>et al.</i> , "The use of BrCN for assembling modified DNA duplexes and DNA-RNA hybrids; comparison with water-soluble carbodiimide," <i>Nucleic Acids Res. (ENGLAND)</i> , 19(11):3067-72 (1991).

EXAMINER

Amy De Rivecourt

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant

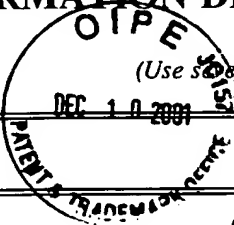
Chadwick, B. *et al.*

Filing Date

July 13, 2001

Group

1644

(Use ~~several~~ sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

An	C29	Drmanac, R. <i>et al.</i> , "A calculation of fragment lengths from human DNA with 78 restriction enzymes: an aid for cloning and mapping," <i>Nucleic Acids Research</i> , 14(11): 4691-4692 (1986).
	C30	Drmanac, R. <i>et al.</i> , "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method," <i>Genomics</i> , 4:114-128 (1989).
	C31	Drmanac, R. <i>et al.</i> , "Reliable Hybridization of Oligonucleotides as Short as Six Nucleotides," <i>DNA Cell Biol.</i> , 9:527-534 (1990).
	C32	Drmanac, R. <i>et al.</i> , "An Algorithm for the DNA Sequence Generation from k-Tuple Word Contents of the Minimal Number of Random Fragments," <i>J. Biomol. Struct. Syn.</i> , 8(5):1085-1102 (1991).
	C33	Drmanac, R. <i>et al.</i> , "Sequencing By Oligonucleotide Hybridization: A Promising Framework in Decoding of the Genome Program?" <i>Proceedings of the First International Conference Electrophoresis Supercomputing Human Genome</i> , Cantor <i>et al.</i> , (Eds.), World Scientific Publishing Co., Singapore, pp. 47-59 (1991).
	C34	Drmanac, R. <i>et al.</i> , "W (A or T) Sequences as Probes and Primers Suitable for Genomic Mapping and Fingerprinting," <i>Nucleic Acids Research</i> , 19(21):5839-5842 (1991).
	C35	Drmanac, R. <i>et al.</i> , "DNA Sequence Determination by Hybridization: A Strategy for Efficient Large-Scale Sequencing," <i>Science</i> , 260(5114):1649-1652 (1993).
	C36	Drmanac, S. <i>et al.</i> , "Processing of cDNA and Genomic Kilobase-Size Clones for Massive Screening, Mapping and Sequencing by Hybridization," <i>Biotechniques</i> , 17:328-329, 332-336 (1994).
	C37	Dubyak, G. R. <i>et al.</i> , "Signal Transduction via P ₂ -Purinergic Receptors for Extracellular ATP and Other Nucleotides," <i>Am. J. Physiol.</i> 34:C577-C606 (1993).
	C38	Duncan, C.H. <i>et al.</i> , "Affinity Chromatography of a Sequence-Specific DNA Binding Protein using Teflon-linked Oligonucleotides," <i>Anal. Biochem.</i> , 169:104-108 (1988).
	C39	Engval, E. <i>et al.</i> , "Enzyme-Linked Immunosorbent Assay, ELISA III. Quantitation of Specific Antibodies by Enzyme-Labeled Anti-Immunoglobulin in Antigen-Coated Tubes," <i>Immunol.</i> , 109:129-135 (1972).
↓	C40	Fischer Y. <i>et al.</i> , "Purinergic Inhibition of Glucose Transport in Cardiomyocytes," <i>J. Biol. Chem.</i> , 274:755-761 (1999).

EXAMINER

Amy De Cloux

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant

Chadwick, B. *et al.*

Filing Date

July 13, 2001

Group

1644

(Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AD	C41	Friedmann, T., "Progress Toward Human Gene Therapy," <i>Science</i> , 244: 1275-1281 (1989).
	C42	Gayle III, R.B. <i>et al.</i> , "Inhibition of Platelet Function by Recombinant Soluble Ecto-ADPase/CD39," <i>J. Clinical Investigation</i> , 101(9):1851-1859 (1998).
	C43	Gluzman, Y., "SV40-Transformed Simian Cells Support the Replication of Early SV40 Mutants," <i>Cell</i> , 23:175-182 (1981).
	C44	Goding, J.W., "Conjugation of Antibodies with Fluorochromes: Modifications to the Standard Methods," <i>J. Immunol. Meth.</i> , 13: 215-226 (1976).
	C45	Gouttefangeas, C. <i>et al.</i> , "The CD39 Molecule Defines Distinct Cytotoxic Subsets within Alloactivated Human CD8-Positive Cells," <i>Eur. J. Immunol.</i> , 22:2681-2685 (1992).
	C46	Hillenkamp, F. <i>et al.</i> , "Matrix Assisted UV-Laser Desorption/Ionization: A New Approach to Mass Spectrometry of Large Biomolecules," in: <i>Biological Mass Spectrometry</i> , Burlingame <i>et al.</i> , (eds.), Elsevier Science Pub., Amsterdam, p. 49-60 (1990).
	C47	Hoheisel <i>et al.</i> , "Quantitative Measurements on the Duplex Stability of 2,6-Diaminopurine and 5-Chloro-Uracil Nucleotides using Enzymatically Synthesized Oligomers," <i>FEBS Lett</i> , 274:103-106 (1990).
	C48	Hurby <i>et al.</i> , "Application of Synthetic Peptides: Antisense Peptides," In <i>Synthetic Peptides, A User's Guide</i> , W.H. Freeman, NY, pp. 289-307 (1992).
	C49	Huth-Fehre, T. <i>et al.</i> , "Matrix Assisted Laser Desorption Mass Spectrometry of Oligodeoxythymidylic Acids," <i>Rapid Comm. Mass Spect.</i> , 6:209-213 (1992).
	C50	Ikuta, S. <i>et al.</i> , "Dissociation Kinetics of 19 Base Paired Oligonucleotide-DNA Duplexes Containing Different Single Mismatched Base Pairs," <i>Nucleic Acids Research</i> , 15:797-811 (1987).
	C51	Inouye, S. <i>et al.</i> , "Microplate Hybridization of Amplified Viral DNA Segment," <i>J. Clin. Microbiol.</i> , 28:1469-1472 (1990).
✓	C52	Kaczmarek, E. <i>et al.</i> , "Identification and Characterization of CD39/Vascular ATP Diphosphohydrolase," <i>J. Biol. Chem.</i> , 271:33116-33122 (1996).

EXAMINER

Ann DeChone

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant

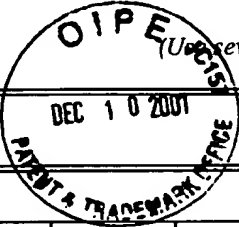
Chadwick, B. *et al.*

Filing Date

July 13, 2001

Group

1644



(Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

SP	C53	Kansas, G. S. <i>et al.</i> , "Expression, Distribution, and Biochemistry of Human CD39 Role in Activation-Associated Homotypic Adhesion of Lymphocytes," <i>J. Immunol.</i> , 146:2235-2244 (1991).
	C54	Kasprzak, A. <i>et al.</i> , "Location of a Contact Site between Actin and Myosin in the Three-Dimensional Structure of the Acto-S1 Complex," <i>Biochemistry</i> , 28:9230-9238 (1989).
	C55	Kirley, T.L., "Complementary DNA Cloning and Sequencing of the Chicken Muscle Ecto-ATPase," <i>J. Biol. Chem.</i> , 272:1076-1081 (1997).
	C56	Kohler, G. <i>et al.</i> , "Continuous Cultures of Fused Cells Secreting Antibody of Predetermined Specificity," <i>Nature</i> , 256:495-497 (1975).
	C57	Kozbor, D. <i>et al.</i> , "The Production of Monoclonal Antibodies from Human Lymphocytes," <i>Immunology Today</i> , 4:72-79 (1983).
	C58	Lamture, J., "Direct Detection of Nucleic Acid Hybridization on the Surface of a Charge Coupled Device," <i>Nucleic Acids Research</i> , 22:2121-2125 (1994).
	C59	Landegren, U. <i>et al.</i> , "A Ligase-Mediated Gene Detection Technique," <i>Science</i> , 241:1077-1080 (1988).
	C60	Lee, J.S. <i>et al.</i> , "Complexes formed by (pyrimidine) _n (purine) _n DNAs on lowering the pH are three-stranded," <i>Nucl. Acids Res.</i> , 6:3073-3091 (1979).
	C61	Lehrach, H. <i>et al.</i> , "Hybridization Fingerprinting in Genome Mapping and Sequencing," in: <i>Genome Analysis Volume 1: Genetic and Physical Mapping</i> , Cold Spring Harbor Laboratory Press, pp.39-81 (1990).
	C62	Lutz, Y. <i>et al.</i> , "The Distribution of Two hnRNP-Associated Proteins Defined by a Monoclonal Antibody Is Altered in Heat-Shocked HeLa Cells," <i>Exp. Cell Research.</i> , 175:109-124 (1988).
	C63	Makita, K. <i>et al.</i> , "Placental ecto-ATP diphosphohydrolase: its structural feature distinct from CD39, localization and inhibition on shear-induced platelet aggregation," <i>International J. Hematology</i> , 68:297-310 (1998).
✓	C64	Maliszewski, C. R. <i>et al.</i> , "The CD39 Lymphoid Cell Activation Antigen," <i>J. Immunology</i> , 153:3574-3583 (1994).

EXAMINER

Amy De Champs

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant

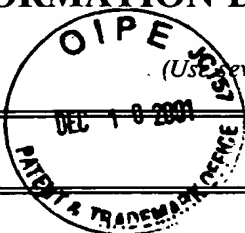
Chadwick, B. *et al.*

Filing Date

July 13, 2001

Group

1644



(Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AD	C65	Marcus, A.J. <i>et al.</i> , "The Endothelial Cell Ecto-ADPase Responsible for Inhibition of Platelet Function is CD39," <i>J. Clinical Investigation</i> , 99(6): 1351-1360 (1997).
	C66	Miller, A.D., "Human Gene Therapy Comes of Age," <i>Nature</i> , 357: 455-460 (1992).
	C67	Morrissey, D. <i>et al.</i> , "Nucleic Acid Hybridization Assays Employing dA-Tailed Capture Probes. I. Single Capture Methods," <i>Mol. Cell. Probes</i> , 2:189-207 (1989).
	C68	Murakami, A. <i>et al.</i> , "Fluorescent-Labeled Oligonucleotide Probes : Detection of Hybrid Formation in Solution by Fluorescence Polarization Spectroscopy," <i>Nucleic Acids Res.</i> , (ENGLAND), 19:4097-102 (1991).
	C69	Nagata, Y. <i>et al.</i> , "Quantification of Picogram Levels of Specific DNA Immobilized in Microtiter Wells," <i>FEBS Lett (NETHERLANDS)</i> , 183: 379-382 (1985).
	C70	Neumann, P.E. <i>et al.</i> , "Mapping of Two Genes that Influence Susceptibility to Audiogenic Seizures in Crosses of C57BL/6J and DBA/2J Mice," <i>Behavior Genetics</i> , 20:307-323 (1990).
	C71	Nichols, R. <i>et al.</i> "A Universal Nucleoside for Use at Ambiguous Sites in DNA Primers," <i>Nature</i> , 369:492-493 (1994).
	C72	Nizetic, D. <i>et al.</i> , "An Improved Bacterial Colony Lysis Procedure Enables Direct DNA Hybridisation Using Short (10, 11 bases) Oligonucleotides to Cosmids," <i>Nucleic Acids Research</i> , 19:182 (1991).
	C73	Okano, H. <i>et al.</i> , "Myelin Basic Protein Gene and the Function of Antisense RNA in Its Repression in Myelin-Deficient Mutant Mouse," <i>J. Neurochem.</i> , 56:560-567 (1991).
	C74	Ottman, R. <i>et al.</i> , "Localization of a Gene for Partial Epilepsy to Chromosome 10q," <i>Nature Genet.</i> , 10:56-60 (1995).
	C75	Paterson, B.M. <i>et al.</i> , "Structural Gene Identification and Mapping by DNA-mRNA Hybrid-Arrested Cell-Free Translation," <i>Proc. Natl. Acad. Sci.</i> , 74:4370-4374 (1977).
	C76	Paunesku, T. <i>et al.</i> , "Origin of Rat β -Globin Haplotypes Containing Three and Five Genes," <i>Mol. Biol. Evol.</i> , 7:407-422 (1990).
✓	C77	Pease, A.C. <i>et al.</i> , "Light-generated Oligonucleotide Arrays for Rapid DNA Sequence Analysis," <i>Proc. Natl. Acad. Sci., USA</i> , 91:5022-5026 (1994).

EXAMINER

DATE CONSIDERED

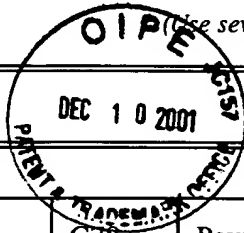
1-8-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
28110/36120BSerial No.
09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant
Chadwick, B. *et al.*Filing Date
July 13, 2001Group
1644

(Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

C78	Pevzner, P.A., "1-Tuple DNA Sequencing: Computer Analysis," <i>J. Biomol. Struct. & Dyn.</i> , 7(1):63-73 (1989).
C79	Pontius, B.W. <i>et al.</i> , "Rapid Renaturation of Complementary DNA Strands Mediated by Cationic Detergents: A Role for High-Probability Binding Domains in Enhancing the Kinetics of Molecular Assembly Processes," <i>Proc. Natl. Acad. Sci., USA</i> , 88:8237-8241 (1991).
C80	Pörshke, D. <i>et al.</i> , "Co-operative Non-enzymic Base Recognition," <i>J. Mol. Biol.</i> , 62:361-381 (1971).
C81	Rasmussen, S.R. <i>et al.</i> , "Covalent Immobilization of DNA onto Polystyrene Microwells: The Molecules Are Only Bound at the 5' End," <i>Anal. Biochem.</i> , 198:138-142 (1991).
C82	Rowe, M. <i>et al.</i> , "Monoclonal Antibodies to Epstein-Barr Virus-Induced, Transformation-Associated Cell Surface Antigens: Binding Patterns and Effect Upon Virus-Specific T-Cell Cytotoxicity," <i>Int. J. Cancer</i> , 29:373-381 (1982).
C83	Sambrook, J. <i>et al.</i> , <i>In: Molecular Cloning A Laboratory Manual</i> , 2nd Ed., Cold Springs Harbor Press, pp. 9.14-9.28 (1989).
C84	Schoenborn, M.A. <i>et al.</i> , "Gene Structure and Chromosome Location of Mouse <i>Cd39</i> Coding for an Ecto-Apyrase," <i>Cytogenetics & Cell Genetics</i> , 81:287-289 (1998).
C85	Schriefer, L.A. <i>et al.</i> , "Low Pressure DNA Shearing: A Method for Random DNA Sequence Analysis," <i>Nucleic Acids Res. (ENGLAND)</i> , 18 (24):7455-6 (1990).
C86	Schubert, F. <i>et al.</i> , "One-step Labelling of Oligonucleotides with Fluoresceine During Automated Synthesis," <i>Nucleic Acids Res. (ENGLAND)</i> , 18:3427 (1990).
C87	Schulman E. S. <i>et al.</i> , "ATP Modulates Anti-IgE-Induced Release of Histamine from Human Lung Mast Cells," <i>Am. J. Respir. Cell Mol. Biol.</i> , 20:530-537 (1999).
C88	Seyfried, T.N. <i>et al.</i> , "Genetic Linkage Between the <i>AH</i> Locus and a Major Gene that Inhibits Susceptibility to Audiogenic Seizures in Mice," <i>Genetics</i> , 99:117-126 (1981).
C89	Skobel, E. <i>et al.</i> , "Relation Between Enzyme Release and Irreversible Cell Injury of the Heart under the Influence of Cytoskeleton Modulating Agents," <i>Biochim. Biophys. Acta</i> , 1362:128-134 (1997).

EXAMINER

DATE CONSIDERED

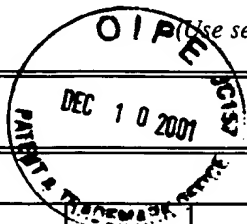
1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
28110/36120BSerial No.
09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant
Chadwick, B. *et al.*Filing Date
July 13, 2001Group
1644

(Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AD	C90	Smith, R.D. <i>et al.</i> , "New Developments in Biochemical Mass Spectrometry: Electrospray Ionization," <i>Anal. Chem.</i> , 62:882-899 (1990).
	C91	Somers, G.R. <i>et al.</i> , "Expression of the P2Y6 Purinergic Receptor in Human T Cells Infiltrating Inflammatory Bowel Disease," <i>Lab. Invest.</i> , 78:1375-1383 (1998).
	C92	Sternberger, L.A. <i>et al.</i> , "The Unlabeled Antibody Enzyme Method of immunohistochemistry - Preparation and Properties of Soluble Antigen-Antibody Complex (Horseradish Peroxidase-Antihorseradish Peroxidase) and Its Use in Identification of Spirochetes," <i>J. Histochem. Cytochem.</i> , 18: 315-333 (1970).
	C93	Stevanović, M. <i>et al.</i> , "Variant chromosomal arrangement of adult β -globin genes in rat <i>Gene</i> , 79:139-150 (1989).
	C94	Strezoska, Z. <i>et al.</i> , "DNA Sequencing by Hybridization: 100 Bases Read by a Non-Gel-Based Method," <i>Proc. Natl. Acad. Sci., USA</i> , 88:10089-10093 (1991).
	C95	Van Ness, J. <i>et al.</i> , "A Versatile Solid Support System for Oligodeoxynucleotide Probe-Based Hybridization Assays," <i>Nucleic Acids Res.</i> , (ENGLAND)19:3345-3350 (1991).
	C96	Verma, I.M., "Gene Therapy - Treatment of Disease by Introducing Healthy Genes into the Body is Becoming Feasible. But the Therapy will not Reach its Full Potential until the Genes Can Be Coaxed to Work throughout Life," <i>Scientific American</i> , pp. 68-72, 81-84 (1990).
	C97	Vollrath, D. <i>et al.</i> , "The Human Y Chromosome: A 43-Interval Map Based on Naturally Occurring Deletions," <i>Science</i> , 258:52-59 (1992).
	C98	Wallace, R.B. <i>et al.</i> , "Hybridization of Synthetic Oligodeoxyribonucleotides to $\Phi \chi$ 174 DNA: The Effect of Single Base Pair Mismatch," <i>Nucleic Acids Research</i> , 6:3543-3557 (1979).
	C99	Walsh P.S. <i>et al.</i> , "Preferential PCR Amplification of Alleles: Mechanisms and Solutions," <i>PCR Methods Appl.</i> , 1:241-250 (1992).
	C100	Wang, T-F. <i>et al.</i> , "CD39 Is an Ecto-(Ca^{2+} , Mg^{2+})-apyrase," <i>J. Biol. Chem.</i> , 271(17):9898-9901 (1996).
	C101	Wang T-F. <i>et al.</i> , "Characterization of Brain Ecto-Apyrase: Evidence for Only One Ecto-Apyrase (CD39) Gene," <i>Molecular Brain Research</i> , 47:295-302 (1997).

EXAMINER

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Att. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant

Chadwick, B. *et al.*

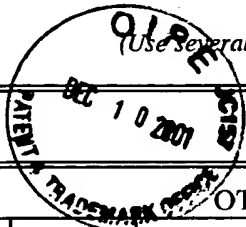
Filing Date

July 13, 2001

Group

1644

(Use several sheets if necessary)



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AD	C102	Wang, T-F. <i>et al.</i> , "Widespread Expression of Ecto-Apyrase (CD39) in the Central Nervous System," <i>Brain Research</i> , 790:318-322 (1998).
	C103	Wang T-F <i>et al.</i> , "The Transmembrane Domains of Ectoapypase (CD39) Affect Its Enzymatic Activity and Quarternary Structure," <i>J. Biol. Chem.</i> , 273:24814-24821 (1998).
	C104	Wells, J.A. <i>et al.</i> , "Cassette Mutagenesis: An Efficient Method for Generation of Multiple Mutations at Defined Sites," <i>Gene</i> , 34:315-323 (1985).
	C105	Wolter, A. <i>et al.</i> , "Negative Ion FAB Mass Spectrometric Analysis of Non-Charged Key Intermediates in Oligonucleotide Synthesis: Rapid Identification of Partially Protected Dinucleoside Monophates," <i>Biomedical Environ. Mass Spec.</i> , 14:111-116 (1987).
	C106	Xu, L. <i>et al.</i> , "Ketone Electrophores and an Olefin-Release Group Electrophore-Labeled DNA Oligomer Detection via Electron Capture," <i>Chromatography</i> , 764:95-102 (1997).
	C107	Yamashita, M. <i>et al.</i> , "Electrospray Ion Source. Another Variation on the Free-Jet Theme," <i>J. Phys. Chem.</i> , 88:4451-4459 (1984).
	C108	Zoller, M.J. <i>et al.</i> , "Oligonucleotide-Directed Mutagenesis Using M13-Derived Vectors: An Efficient and General Procedure for the Production of Point Mutations in any Fragment of DNA," <i>Nucleic Acids Res.</i> , 10:6487-6500 (1982).
	C109	Fingl <i>et al.</i> , "General Principles," In: <i>The Pharmacological Basis of Therapeutics</i> , Chapter 1, pgs. 1-46 (1975).
	C110	Geiger <i>et al.</i> , "Ligand specificity and ticlopidine effects distinguish three human platelet ADP receptors," <i>European Journal Pharmacology</i> , 351:235-246 (1998).
	C111	Hechler <i>et al.</i> , "ATP Derivatives Are Antagonists of the P2Y1 Receptor: Similarities to the Platelet ADP Receptor," <i>American Pharmacology</i> , 53:727-733 (1998).
	C112	Ingall <i>et al.</i> , "Antagonists of the Platelet P _{2T} Receptor: A Novel Approach to Antithrombotic Therapy," <i>J. Med. Chem.</i> , 42:213-220 (1999).
	C113	Jantzen <i>et al.</i> , "Evidence for Two Distinct G-protein-coupled ADP Receptors Mediating Platelet Activation," <i>Thromb. Haemost.</i> , 81:111-117 (1999).
	C114	Myers <i>et al.</i> , "Automated Double-Label: In Situ Hybridization and Immunohistochemistry," <i>J. Surg Path.</i> , 1:191-203 (1995).

EXAMINER

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant

Chadwick, B. *et al.*

Filing Date

July 13, 2001

Group

1644



(Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

✓	C115	Vigne <i>et al.</i> , "Benzoyl ATP Is an Antagonist of Rat and Human P2Y1 Receptors and of Platelet Aggregation," <i>Biochem. Biophys. Res. Commun.</i> , 256:94-97 (1999).
✓	C116	Boukerche, H. <i>et al.</i> , "Human melanoma cell lines differ in their capacity to release ADP and aggregate platelets," <i>Br. J. Haematol.</i> , 87(4):763-72 (1994).
✓	C117	Dzhaudzhugazyan, K.N. <i>et al.</i> , "Ecto-ATP diphosphohydrolase/CD39 is overexpressed in differentiated human melanomas," <i>FEBS Lett.</i> , 430(3):227-30 (1998).
✓	C118	Clifford, E.E. <i>et al.</i> , "Stage-specific expression of P2Y receptors ecto-apyrase, and ecto-5'-nucleotidase in myeloid leukocytes," <i>Am. J. Physiol.</i> , 273(3 Pt. 1):C973-87 (1997).
✓	C119	Katzur, A.C., <i>et al.</i> , "Expression and responsiveness of P2Y2 receptors in human endometrial cancer cell lines," <i>J. Clin. Endocrinol. Metab.</i> , 84(11):4085-91 (1999).
✓	C120	Correale, P., <i>et al.</i> , "Extracellular adenosine 5' triphosphate involvement in the death of LAK-engaged human tumor cells via P2X-receptor activation," <i>Immunol. Lett.</i> , 55(2): 69-78 (1997).
✓	C121	Barnard, E.A., <i>et al.</i> , "Nucleotide receptors in the nervous system. An abundant component using diverse transduction mechanisms," <i>Mol. Neurobiol.</i> 15(2):103-29 (1997).
✓	C122	Abbracchio, M.P. and Burnstock G., "Purinoreceptors: Are there families of P2X and P2Y Purinoreceptors?," <i>Pharmac. Ther.</i> , 64:445-75 (1994).
✓	C123	Illes, P. <i>et al.</i> , "Electrophysiological effects of ATP on brain neurones," <i>J. Auton. Pharmacol.</i> , 16(6):407-11 (1996).
✓	C124	Bernard, E.A., <i>et al.</i> , "The diverse series of recombinant P2Y purinoreceptors," <i>Ciba Found. Symp.</i> , 198: 166-88 (1996).
✓	C125	Williams, M. and Jarvis, M.F., "Purinergic and pyrimidinergic receptors as potential drug targets," <i>Biochem. Pharmacol.</i> , 59(10):1173-85 (2000).
✓	C126	King, B.F. <i>et al.</i> , "Metabotropic receptors for ATP and UTP: exploring the correspondence between native and recombinant nucleotide receptors," <i>Trends Pharmacol. Sci.</i> , 19(12):506-14 (1998).
✓	C127	Nicholas, R.A., <i>et al.</i> , "Pharmacological and second messenger signaling selectivities of cloned P2Y receptors," <i>J. Auton. Pharmacol.</i> , 16(6):319-23 (1996).

EXAMINER

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

28110/36120B

Serial No.

09/905,732

INFORMATION DISCLOSURE STATEMENT

Applicant

Chadwick, B. *et al.*

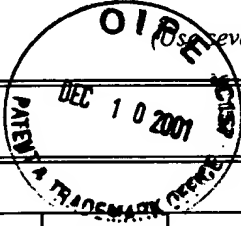
Filing Date

July 13, 2001

Group

1644

(Use several sheets if necessary)



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

A2	C128	Moore, D., <i>et al.</i> "Regional and cellular distribution of the P2Y(1) purinergic receptor in the human brain: striking neuronal localisation," <i>J. Comp. Neurol.</i> , 421(3):374-84 (2000).
L	C129	Sneddon, D., <i>et al.</i> , "Modulation of purinergic neurotransmission." <i>Prog. Brain. Res.</i> , 120:11-20 (1999).
↓	C130	Enjyoji, <i>et al.</i> , "Targeted disruption of <i>cd39</i> (ATP diphosphohydrolase results in disordered homeostasis and thromboregulation," <i>Nature Medicine</i> 5(9): 1010-1017 (1999).

EXAMINER

DATE CONSIDERED

1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.